

Specify the parameter set of a plurality of critical dimensions for a grating.

125
Compile a master library of grating profiles based on the parameter set.

130
Create the master library in an output device.

FIGURE 2B

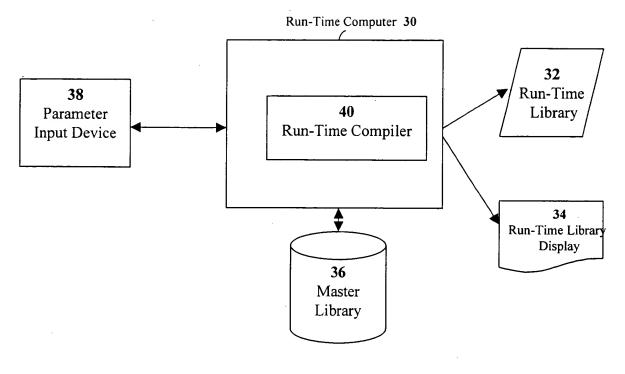


FIGURE 3A

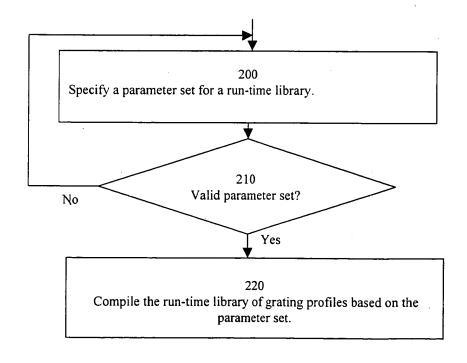


FIGURE 3B

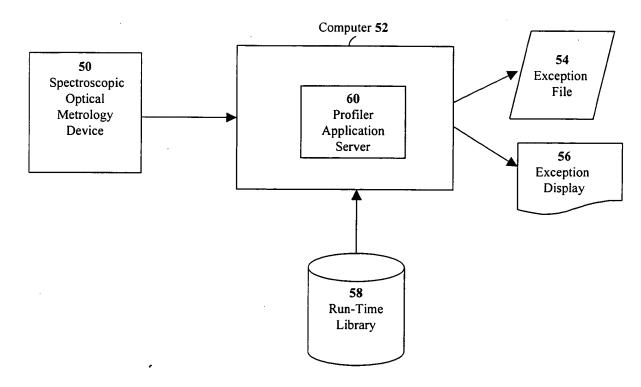
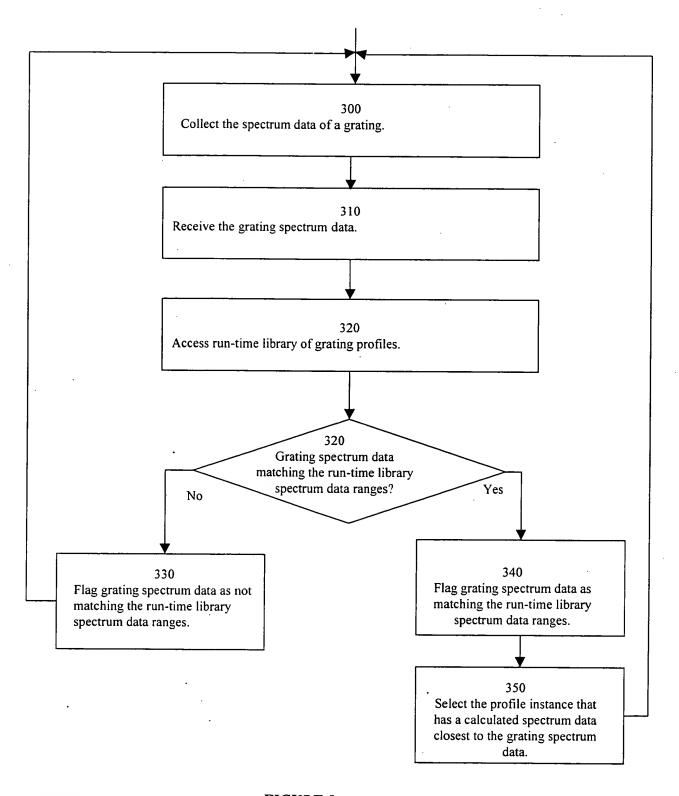


FIGURE 4



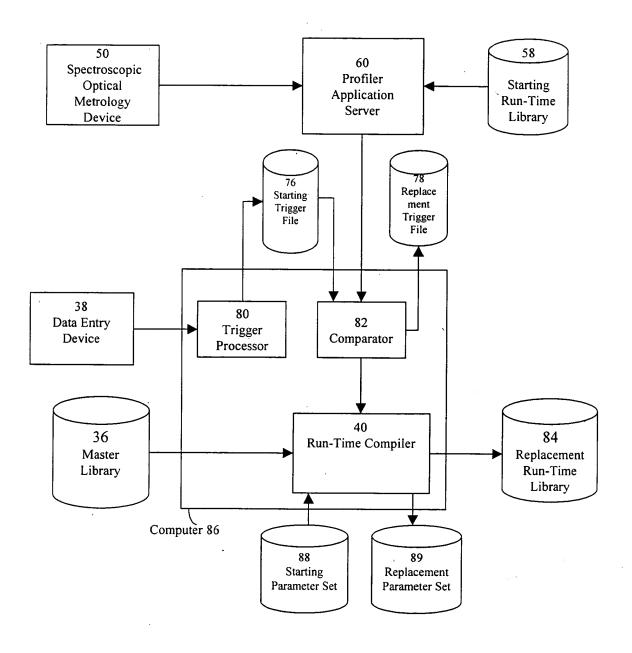


FIGURE 6

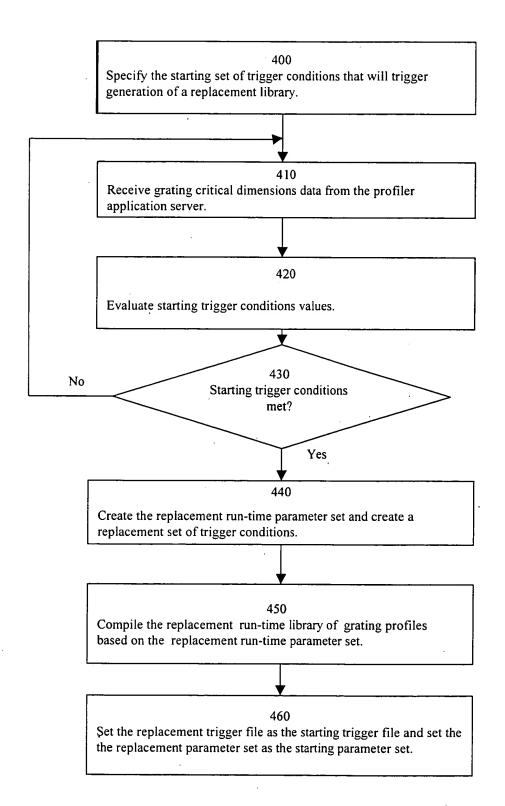


FIGURE 7

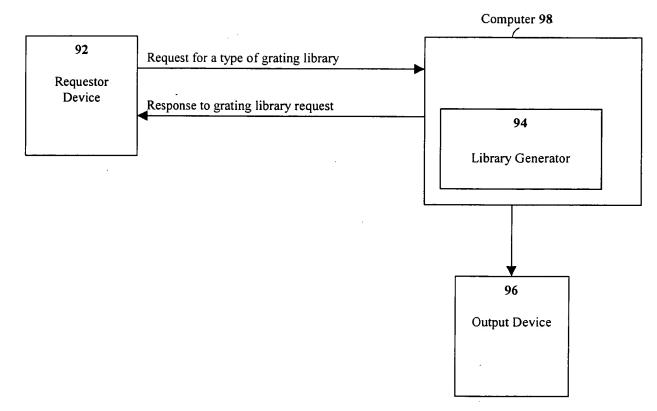
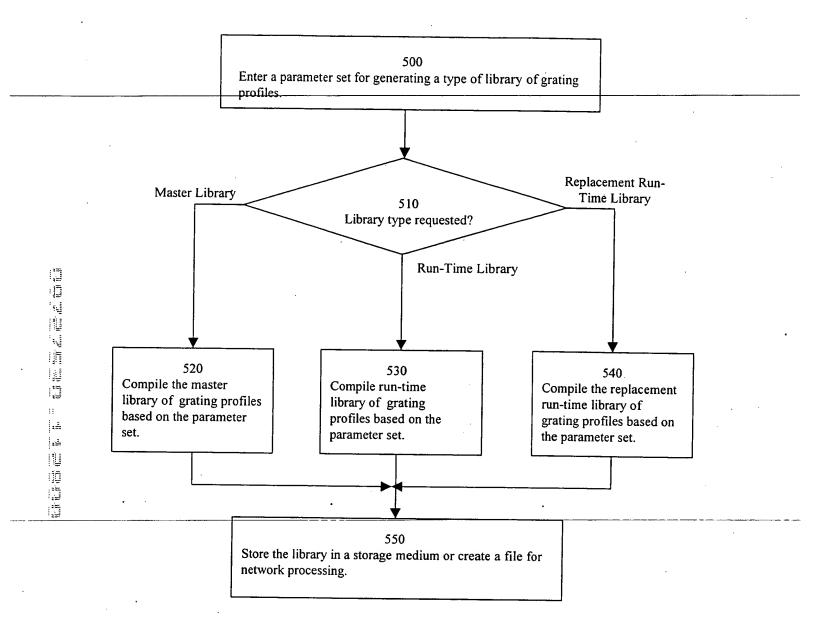
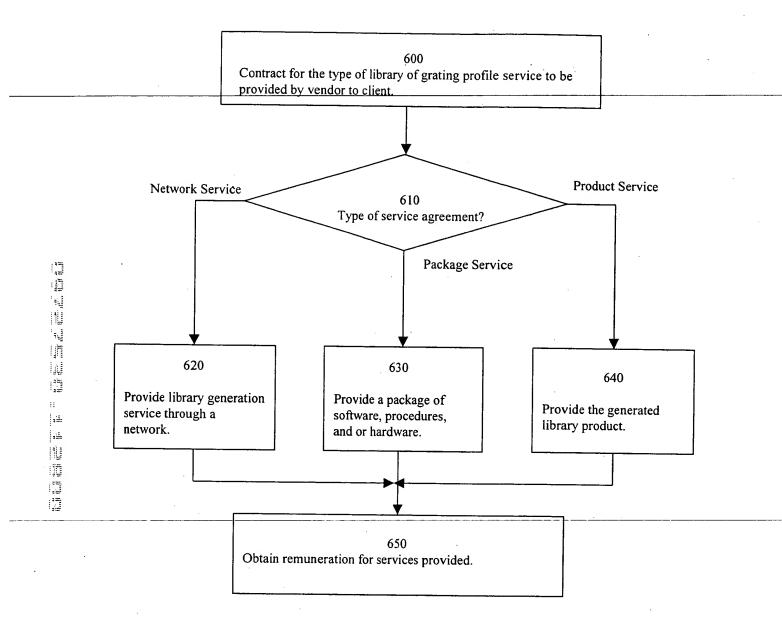


FIGURE 8





		1	
	Calculated Spectrum Data	BRARY	Calculated Spectrum Data
	Underlying Thickness	FIGURE 11A - DATABASE ELEMENTS OF A GRATING PROFILE LIBRARY	Underlying Thickness
	Grating Width at Inflection Point		Grating Width at Inflection Point
	Percent Height at Inflection Point		Percent Height at Inflection Point
	Grating Thickness	E 11A - DATAB	Grating Thickness
	Grating Bottom CD	FIGUR	Grating Bottom CD
	Grating Top CD	•	Grating Top CD

## FIGURE 11B - DISPLAY ELEMENTS OF A GRATING PROFILE LIBRARY